

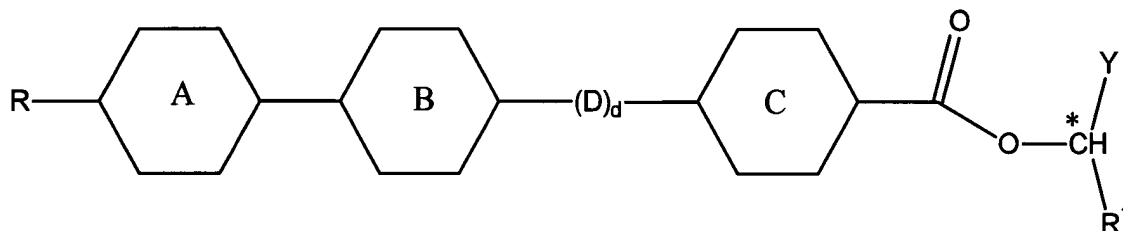
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 cancelled

2. (currently amended) ~~The liquid crystal composition of claim 1~~ A liquid crystal composition which comprises one or more compounds of the formula:



wherein:

R is C_nF_{2n+1}C_mH_{2m} where m is an integer greater than 3 and less than or equal to 10; n is an integer from 1 to 10 and m + n is less than or equal to 20 and wherein R is optionally attached to ring A with an oxygen;

Rings A, B and C are 5- or 6-carbon aromatic rings each optionally substituted with from one to four fluorines and wherein one or two CH groups in the rings can be substituted with a N, an O or a S group;

d is 0 or 1;

D is a linker group selected from the group consisting of -COO-, -OOC-,

-CH₂-CH₂-, a cis or trans double bond, or a triple bond, when d is 0 rings B and C are linked through a single bond;

Y is an alkyl or fluorinated alkyl group having from one to six carbon atoms; and

R¹ is a nonchiral tail group selected from linear or branched alkyl groups where one or more non-neighboring CH₂ groups can be replaced with an -O-, -S-, -Si(R')₂-, -Si(R')₂-(CH₂)_p-Si(R')₂-, where p is an integer ranging from 1 to 6, -Si(R')₂-O-, -Si(R')₂-O-Si(R')₂-O-, a cis or trans double bond or a triple bond, wherein each R', independent of other R', is an alkyl or fluorinated alkyl group having from one to six carbon atoms and wherein the R¹ tail group is optionally substituted with one or more fluorines and wherein R¹ contains from 1 to 20 carbon atoms; provided that n is not an integer from 4 to 14 and m is not an integer from 4 to 13 when Y is CH₃ or CF₃ and R¹ is an unsubstituted straight chain alkyl group with from 2 to 12 carbon atoms and D is -COO- and A, B and C are unsubstituted 6-carbon aromatic rings

which exhibits a de Vries smectic A phase.

3. (currently amended) The liquid crystal composition of claim 1 which exhibits V-shaped switching when incorporated as aligned layer in an analog liquid crystal device.

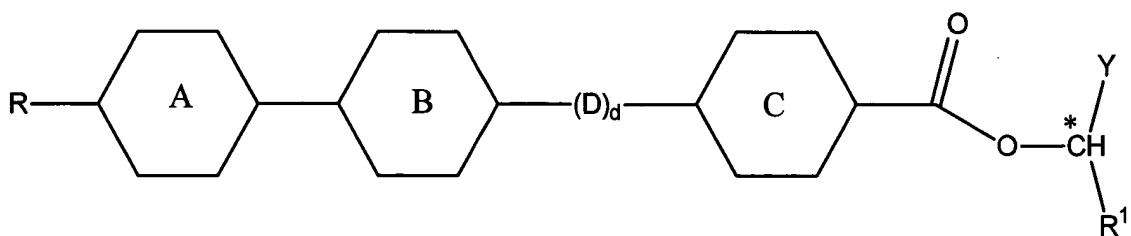
4-48 cancelled

49. (currently amended) The liquid crystal composition of claim 1 which exhibits a Ps of 27 nC/cm² or greater.
50. (currently amended) The liquid crystal composition of claim 1 which exhibits a Ps of 40 nC/cm² or greater.

51. (currently amended) The liquid crystal composition of claim ± 2 which when introduced as an aligned layer in a liquid crystal device exhibits an electric rise time of 150 μ sec or less.
52. (currently amended) The liquid crystal composition of claim ± 2 which exhibits viscosity of 200 mP*S or less.
53. (currently amended) The liquid crystal composition of claim ± 2 which exhibits a smectic A phase which extends over a range of 20°C or more.
54. (currently amended) The liquid crystal composition of claim ± 2 which exhibits both a smectic A and a smectic C phase.
55. (original) The liquid crystal composition of claim 54 which exhibits a smectic C phase with a temperature range encompassing room temperature.

56-59 cancelled

60. (currently amended) ~~The compound of claim 59~~ A compound having the formula:



wherein:

R is $C_nF_{2n+1}C_mH_{2m}$ where m is an integer greater than 3 and less than or equal to 10; n is an integer from 1 to 10 and m + n is less than or equal to 20 and wherein R is optionally attached to ring A with an oxygen;

Rings A, B and C are 5- or 6-carbon aromatic rings each optionally substituted with from one to four fluorines and wherein one or two CH groups in the rings can be substituted with a N, an O or a S group;

d is 0 or 1;

D is a linker group selected from the group consisting of -COO-, -OOC-, a cis or trans double bond, or a triple bond, when d is 0 rings B and C are linked through a single bond;

Y is an alkyl or fluorinated alkyl group having from one to six carbon atoms; and

R¹ is a nonchiral tail group selected from linear or branched alkyl groups where one or more non-neighboring CH₂ groups can be replaced with an -O-, -S-, -Si(R')₂-, -Si(R')₂-(CH₂)_p-Si(R')₂-, where p is an integer ranging from 1 to 6, -Si(R')₂-O-, -Si(R')₂-O-Si(R')₂-O-, a cis or trans double bond or a triple bond, wherein each R', independent of other R', is an alkyl or fluorinated alkyl group having from one to six carbon atoms and wherein the R¹ tail group is optionally substituted with one or more fluorines and wherein R¹ contains from 1 to 20 carbon atoms; provided that n is not an integer from 4 to 14 and m is not an integer from 4 to 13 when Y is CH₃ or CF₃ and R¹ is an unsubstituted straight chain alkyl group with from 2 to 12 carbon atoms and D is -COO- and A, B and C are unsubstituted 6-carbon aromatic rings;

wherein Y is CF₃ and R is R^F;

wherein R^F is C₄F₉C₄H₈-.

61. (currently amended) The compound of claim 59 60 wherein R^F is C₄F₉C₆H₁₂-.

62-63 cancelled

64. (currently amended) ~~The electrooptical device of claim 63~~ An electrooptical device comprising an aligned liquid crystal layer which comprises the liquid crystal composition of claim 2 wherein the device exhibits bistable switching.
65. (original) The device of claim 64 which is an analog device exhibiting V-shaped switching.
66. (currently amended) An electrooptical device comprising an aligned layer which comprises the liquid crystal composition of claim 1 2 and which can be operated at low driving voltages at high frequency and using a symmetrical driving scheme for DC balance.
67. (currently amended) A method for making a bistable liquid crystal electrooptical device which comprises the step of aligning a liquid crystal composition of claim 1 2 which exhibits a de Vries smectic A phase in a bookshelf alignment in the device.
68. (currently amended) A method for making an electrooptical device that exhibits analog switching which comprises the step of aligning a liquid crystal composition of claim 1 2 which exhibits V-shaped switching in the device.

69-70 cancelled